

Scaled data based on original data using

LM-41-14 Approved Method for Photometric Testing Of Indoor Fluorescent Luminaires

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: io LED

Report Number: P279974

Luminaire Tested: **LDA2B209027D010 EU2B20FL409027 2LBAD1WMH**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-41-14  
Report Number: P279974  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1811-033-3)  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: io LED  
Catalog Number: LDA2B209027D010 EU2B20FL409027 2LBAD1WMH  
Description: PORTFOLIO 2IN ADJ 2000 LUMEN LED LUMINAIRE WITH FLOOD OPTIC AND 2in  
ADJ spun Refl, Self-Flanged, WMH  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1664.6 lumens  
Efficiency: N/A  
Efficacy: 80.8 lumens/watt  
Spacing Criteria (0/90/45): 0.61 / 0.61 / 0.55  
Luminous Opening: Circular (Dia: 0.17' x H: 0')  
CIE Type: Direct

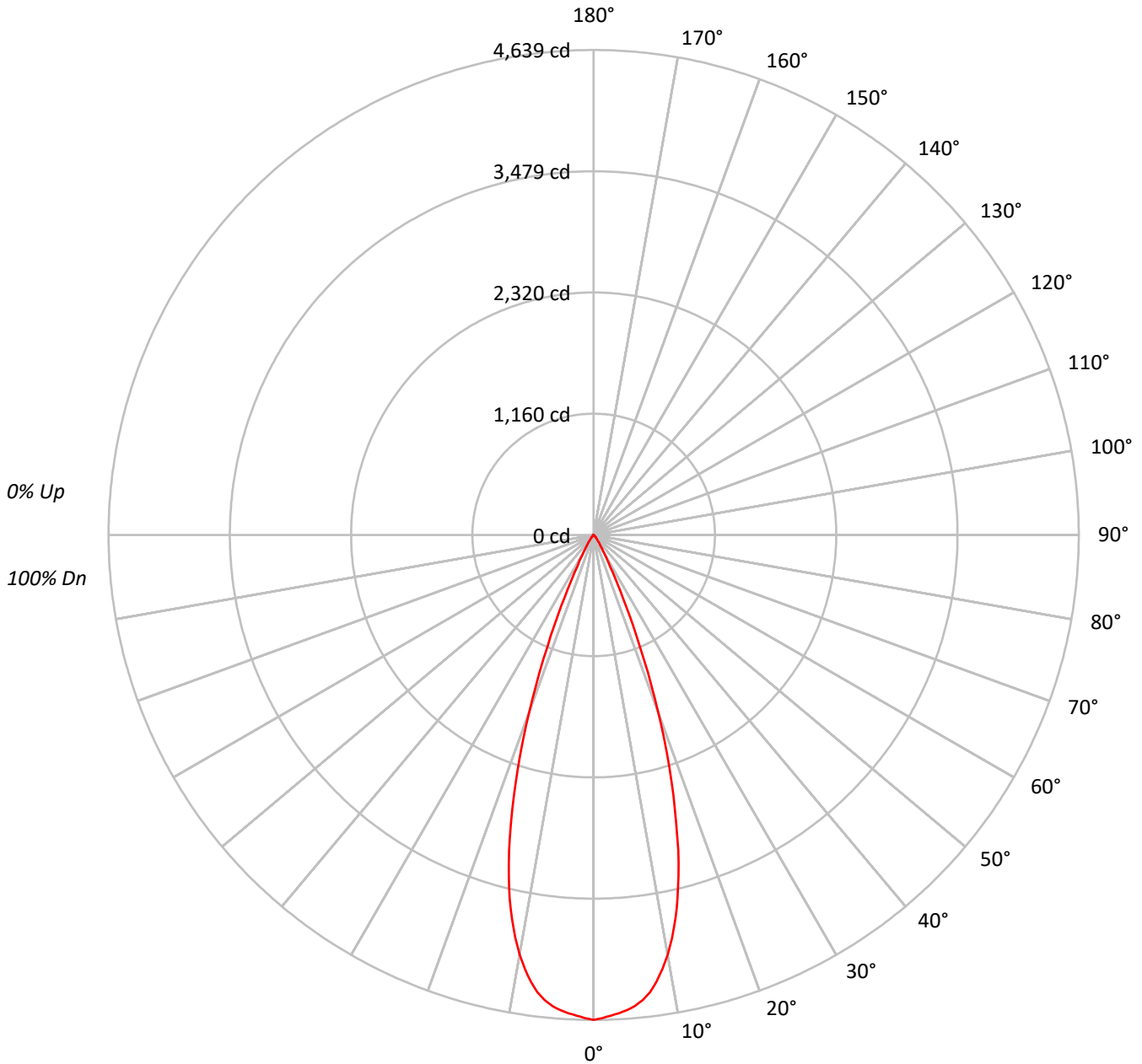
Input Watts (W): 20.6  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Luminous Intensity Polar Plot





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**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

RF	20									20									20									20									20									20
RC	80									70									50									30									10									0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0																
RCR	0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100	100	100	100	100	100	100	100	100	100	100																	
	1	115	113	111	109	112	110	109	107	106	105	104	103	102	101	99	99	98	96	96	96	96	96	96	96	96	96	96	96	96																
	2	111	107	104	101	109	105	102	100	102	100	98	99	97	96	97	95	94	92	92	92	92	92	92	92	92	92	92	92	92																
	3	107	102	98	95	105	101	97	94	98	95	93	96	94	92	94	92	90	89	89	89	89	89	89	89	89	89	89	89	89																
	4	103	98	93	90	102	97	93	90	95	91	89	93	90	88	91	89	87	85	85	85	85	85	85	85	85	85	85	85	85																
	5	100	94	89	86	98	93	89	86	91	88	85	90	87	84	88	86	83	82	82	82	82	82	82	82	82	82	82	82	82																
	6	97	90	85	82	95	89	85	82	88	84	82	87	83	81	85	83	80	79	79	79	79	79	79	79	79	79	79	79	79																
	7	94	87	82	79	92	86	82	79	85	81	78	84	81	78	83	80	78	77	77	77	77	77	77	77	77	77	77	77	77	77															
	8	91	84	79	76	90	83	79	76	82	78	76	81	78	75	80	77	75	74	74	74	74	74	74	74	74	74	74	74	74	74															
	9	88	81	76	73	87	80	76	73	79	76	73	79	75	73	78	75	73	72	72	72	72	72	72	72	72	72	72	72	72	72															
	10	85	78	74	71	84	78	74	71	77	73	71	76	73	70	76	72	70	69	69	69	69	69	69	69	69	69	69	69	69	69															

**AVERAGE LUMINANCE (cd/sqm):**

	0°	
0°	2288853	
5°	2240445	
10°	2042015	
15°	1595223	
20°	944467	
25°	351115	
30°	109721	
35°	48785	
40°	22670	
45°	10675	
50°	5833	
55°	3269	
60°	1480	
65°	934	
70°	1154	
75°	0	
80°	0	
85°	0	



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	418.2	25.1
10°-20°	831.6	50.0
20°-30°	340.6	20.5
30°-40°	56.4	3.4
40°-50°	13.3	0.8
50°-60°	3.5	0.2
60°-70°	0.9	0.1
70°-80°	0.1	0.0
80°-90°	0.0	0.0
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	1590.4	95.5
0°-40°	1646.8	98.9
0°-60°	1663.6	99.9
0°-90°	1664.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1664.6	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	4639	
5°	4524	418
15°	3123	832
25°	645	341
35°	81	56
45°	15	13
55°	4	4
65°	1	1
75°	0	0
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	4639.3
1°	4623.2
2°	4601.8
3°	4582.7
4°	4557.5
5°	4523.9
6°	4474.2
7°	4409.3
8°	4316.8
9°	4204.5
10°	4076.1
11°	3927.1
12°	3759.0
13°	3567.2
14°	3354.0
15°	3123.2
17.5°	2476.7
20°	1798.9
22.5°	1151.6
25°	645.0
27.5°	340.1
30°	192.6
32.5°	122.3
35°	81.0
37.5°	53.5
40°	35.2
42.5°	22.9
45°	15.3
47.5°	10.7
50°	7.6
52.5°	5.3
55°	3.8
57.5°	2.3
60°	1.5
62.5°	0.8
65°	0.8
67.5°	0.8
70°	0.8
72.5°	0.0
75°	0.0
77.5°	0.0
80°	0.0
82.5°	0.0



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**CANDELA DISTRIBUTION (continued):**

0°  
90° | 0.0



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— 0°-180°







85°		0.0
87.5°		0.0



(END OF REPORT)